

ANALISIS KESALAHAN DAN PEMBERIAN *SCAFFOLDING* PADA PENYELESAIAN SOAL CERITA PERSAMAAN LINEAR SATU VARIABEL BAGI SISWA KELAS VII

Eri Irianto¹, Novisita Ratu²

Program Studi Pendidikan Matematika – FKIP Universitas Kristen Satya Wacana

¹202014014@student.uksw.edu

²novisita.ratu@staff.uksw.edu

Abstract:

This study aims to describe the form of student error in solving the problem of linear equations of one variable based on Newman's stages and the giving of scaffolding. The technique of taking the subject using purposive sampling. The subject of this research is 3 students of class VII A. The result of the research shows that the most errors are V (Encoding Error) with error percentage 41%, error on type 4 (Reading Error) 4% type II, Type II (Reading Comprehensive difficulty) type III (type III (Reading Comprehensive difficulty) Transform Error) of 12%, and Type IV (Weakness in Process Skill) by 35%. which is then given scaffolding. In type I error (Reading Error) given scaffolding reviewing, type II error (Reading Comprehension difficulty) given scaffolding reviewing) and restructuring, type III error (Transform Error) given scaffolding reviewing and restructuring, type IV error (Weakness in Process Skill) is given scaffolding explaining, reviewing and restructuring, and on the error type V (Encoding Error) is given scaffolding reviewing and restructuring.

Abstrak :

Penelitian ini bertujuan untuk mendeskripsikan bentuk kesalahan siswa dalam menyelesaikan soal cerita persamaan linear satu variabel berdasarkan tahapan Newman dan pemberian *scaffolding*. Teknik pengambilan subjek menggunakan *purposive sampling*. Subjek penelitian ini adalah 3 siswa kelas VII A. Hasil penelitian menunjukkan kesalahan paling banyak dilakukan siswa adalah tipe V (*Encoding Error*) dengan persentase kesalahan 41%, kesalahan pada tipe lain yaitu tipe I (*Reading Error*) sebesar 4%, tipe II (*Reading Comprehension difficulty*) sebesar 9%, tipe III (*Transform Error*) sebesar 12%, dan tipe IV (*Weakness in Process Skill*) sebesar 35%. yang selanjutnya diberikan *scaffolding*. Pada kesalahan tipe I (*Reading Error*) diberikan *scaffolding reviewing*, tipe kesalahan II (*Reading Comprehension difficulty*) diberikan *scaffolding reviewing* dan *restructuring*, tipe kesalahan III (*Transform Error*) diberikan *scaffolding reviewing* dan *restructuring*, tipe kesalahan IV (*Weakness in Process Skill*) diberikan *scaffolding explaining*, *reviewing* dan *restructuring*, dan pada tipe kesalahan V (*Encoding Error*) diberikan *scaffolding reviewing* dan *restructuring*.

Kata Kunci : Analisis Kesalahan, *Scaffolding*, Persamaan Linear Satu Variabel